

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 03/29/2011 has been entered.

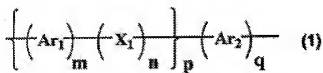
Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

The prior art of record does not disclose or suggest either in singularly or in combination the following limitations and other elements in the claims:

References Forrest et al. (Forrest) US 2004/0031966 and Okabe, (Okabe) USPAT 5,555,205 does not anticipate or renders obvious the claimed invention:

- Forrest and Okabe does not disclose a device having a least one of the photo-conductive organic semiconductor and the electroluminescent organic semiconductor is a polymer semiconductor having a conjugation in the main chain, wherein the polymer semiconductor contains one or more repeating units represented by the following Formula (1):



wherein Ar₁ and Ar₂ each independently represent an arylene group or a divalent heterocyclic group; X₁ represents $-\text{CR}_1=\text{CR}_2-$, $-\text{C}\equiv\text{C}-$ or $-\text{N}(\text{R}_3)-$; R₁ and R₂ each independently represent a hydrogen atom, an alkyl group, an aryl group, a monovalent heterocyclic group, a carboxyl group, a substituted carboxyl group or a cyano group; R₃ represents a hydrogen atom, an alkyl group, an aryl group, a monovalent heterocyclic group, an arylalkyl group or a substituted amino group; m, n and q each independently represent an integer of 0 or 1; p represents an integer of 0 to 2; and m + n and p + q are each 1 or more, provided that Ar₁, X₁, R₁, R₂ and R₃, if they are each multiple, can be respectively identical or different, and has a polystyrene-converted number average molecular weight of 1×10^3 to 1×10^8 .

Therefore, the prior art of record neither anticipates nor renders obvious the claimed invention of the present application and claims 1-8, 10-19 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARC ARMAND whose telephone number is (571)272-9751. The examiner can normally be reached on 9-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on 571-272-1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MARC ARMAND/
Examiner, Art Unit 2814

/Wael M Fahmy/
Supervisory Patent Examiner, Art
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